

## APPENDIX F ACTION PLAN

This appendix provides a summary of the actions proposed in the *2006 King County Flood Hazard Management Plan*. These actions are presented in a series of countywide and basin-specific listings (Tables F-1 – F-11), each of which corresponds to the programs and projects tables presented in Chapter 5 of the Plan. A brief narrative description and estimated costs are provided for each proposed flood mitigation action. Individual actions are further characterized using standard flood mitigation action categories; Table F-12 provides definitions for these action type categories. Together, these tables make up King County’s flood hazard mitigation Action Plan for the period between January 2007 and December 2016.

**TABLE F-1.  
10-YEAR ACTION PLAN: COUNTYWIDE PROGRAMS**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Status Quo Funding</b>			
Flood Preparedness, Warning and Emergency Response	Provide regional flood preparedness, warning and flood emergency response services. Supports recommendations PREP-1 to 5; WARN-1 to 4; RESP-1 and 2.	Preventative	\$3,900,000
Flood Protection Facility Inventory and Assessment	Develop and implement a flood protection facility inventory database and a routine program of inspection, condition assessment, and monitoring for all flood protection facilities and appurtenances, including levees, revetments, raised banks, pump stations, stormwater discharge structures, cross-culverts and closure structures. Supports recommendations INFRA-2 through 4.	Preventative	\$750,000
Flood Protection Facility Maintenance	Carry out annual routine maintenance, including flood protection facility mowing, noxious weed control, installation and repair of access control, and minor repair and maintenance of flood protection facilities and related properties and appurtenances. Supports recommendation INFRA-1.	Preventative	\$1,450,000
Sediment Management Program	Establish a sediment management program that includes expanded channel monitoring, establishment of thresholds to trigger actions, and analysis of sediment management action alternatives. Supports recommendations SED-1 and SED-2.	Structural	\$500,000

**TABLE F-1. (CONTINUED)**  
**10-YEAR ACTION PLAN: COUNTYWIDE PROGRAMS**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Status Quo Funding (Continued)</b>			
Floodplain Information and Permit Review Technical Support	Provide technical support to King County's Department of Development and Environmental Services for floodplain permits and inquiries, floodplain mapping, elevation certificates, and Critical Areas Ordinance updates. Supports recommendations MAP-2, COR-1, REG-1 to 3, TECH-3,-4, ERA-3	Technical Assistance	\$400,000
Salmon Habitat Recovery Technical Support	Provide floodplain management technical support to Snohomish, Cedar, Green and White River watershed coordination and salmon habitat recovery activities. Supports recommendation TECH-6.	Natural Resource Protection	\$1,000,000
Technical Support to Other Agencies	Provide floodplain management technical support to all King County departments proposing activities or projects that affect floodplain functions. Supports recommendations TECH-3 through 5.	Technical Assistance	\$250,000
Public Outreach	Carry out public outreach on floodplain management programs and projects, and respond to inquiries and complaints from citizen and other public and private agencies. Supports recommendations TECH-3, ERA-2 through 4, PREP-1 through 5.	Public Information	\$500,000
Grant Applications	Maximize federal, state and local funding opportunities through grant application submittals in support of completing capital improvement projects, technical studies and other flood hazard management activities. Supports recommendations ERA-4, INFRA-6 and MAP-5.	Plan Performance	\$100,000
Community Rating System Certification	Provide supporting documentation, technical support and staff training required to maintain favorable status in the FEMA's Community Rating System. This work supplements work, carried out in the Department of Natural Resources and Parks and compliment-related work carried out by the Department of Development and Environmental Services. Supports recommendation IMP-3.	Plan Performance	\$500,000
River and Floodplain Unit Administration	Provide for program administration, staff supervision and training, Flood Hazard Management Plan updates, Comprehensive Plan Consistency, and the River and Floodplain Management Unit Annual Report. Supports recommendations IMP-3 through 9.	Plan Performance	\$4,685,000
<b>Total Status Quo Funding</b>			<b>\$14,035,000</b>

**TABLE F-1. (CONTINUED)**  
**10-YEAR ACTION PLAN: COUNTYWIDE PROGRAMS**

<b>Enhanced Funding</b>			
Flood Protection Facility Maintenance Enhancements	Meet routine maintenance needs associated with the implementation of an enhanced flood hazards management program, and carry out routine maintenance on underserved flood protection facilities Supports recommendation INFRA-2.	Preventative	\$3,550,000
Public Outreach Enhancements	Meet additional public outreach needs associated with an expanded program, including increased interaction with incorporated cities and preparation of an annual report. Supports recommendations TECH-3, ERA-2 through 4, PREP-1 through 5.	Public Information	\$1,000,000
<b>Total Enhanced Funding</b>			<b>\$4,550,000</b>
<b>Total Countywide Programs</b>			<b>\$18,585,000</b>

**TABLE F-2.**  
**PROPOSED COUNTYWIDE PROJECTS AND COSTS (2007–2016)**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Status Quo Funding</b>			
Flood Hazard Corridor Mapping	Update flood hazard management corridor maps with flood hazard, land use and evaluate the feasibility of assessing the cumulative effects of flood risk reduction projects. Integrate flood hazard and ecological data in a readily accessible information management system. Supports recommendations COR-1, 4 and 5.	Preventative	\$50,000
Countywide Risk Assessment	Carry out flood damage risk assessments to evaluate the potential consequences of flood protection facility failure along major river systems. Risk assessments will focus on areas of potential levee failure and known repetitive loss areas. Supports recommendation COR-2.	Preventative	\$500,000
Flood Protection Facility Revegetation	Implement flood protection facility revegetation projects to promote the growth of native vegetation to decrease long-term maintenance needs and enhance fish and wildlife habitat. Funding adequate to support one or two small projects per year. Supports recommendations INFRA-1 and 2.	Natural Resource Protection	\$250,000
Flood Emergency Response Reserve	Provide funding to repair flood protection facilities damaged by floods. To the maximum extent possible, funds would be used to match state and federal emergency and disaster mitigation funds. Supports recommendations RESP-1 and 2.	Emergency Services	\$1,800,000
Adaptive Management Analyses and Implementation	Monitor projects using performance measures and adaptive management to track the effectiveness of completed projects and inform the design and implementation of future projects. Supports recommendation IMP-8.	Plan Performance	\$100,000
<b>Total Status Quo Funding</b>			<b>\$2,700,000</b>

**TABLE 5-2 (CONTINUED).**  
**PROPOSED COUNTYWIDE PROJECTS AND COSTS (2007–2016)**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Enhanced Funding (Continued)</b>			
Flood Protection Facility Revegetation	Implement enhanced flood protection facility revegetation projects to promote the growth of native vegetation, decrease long-term maintenance needs, and enhance fish and wildlife habitat. Enhanced funding would allow completion of an additional one or two projects per year. Supports recommendations INFRA-1.	Natural Resource Protection	\$250,000
Large Woody Debris and Landslide Hazard Assessment and Management Alternatives Analyses	Complete an assessment of flood hazards associated with increasing accumulations of large woody debris in river channels and the potential impacts future landslides may have on flooding and erosion. Develop alternative analysis and protocols for the management of flood hazards related to these natural river and floodplain elements. Supports recommendations WD-1 through 3 and LS-4.	Plan Performance	\$200,000
Small Stream and Marine Shoreline Area Flood Studies	Complete flood studies and flood boundary delineations to update the corresponding FEMA Flood Insurance Studies and Flood Insurance Rate Maps for small streams and marine shoreline areas in unincorporated King County. Supports recommendations MAP-2, MAP-5 and MAP-7.	Plan Performance	\$1,125,000
Sediment Management Reserve Fund	Provide funding to implement one or more gravel removal projects based on sediment management program monitoring findings. Supports recommendation SED-2.	Natural Resource Protection	\$1,000,000
Flood Emergency Response Reserve Enhancement	Increase rate of accrual and total amount of funds available to repair flood protection facilities damaged by floods. To the maximum extent possible, funds would be used to match state and federal emergency and disaster mitigation funds. Supports recommendations RESP-1 and 2.	Emergency Services	\$700,000
Flood Mitigation Opportunity Fund	Identify and provide funding for home elevations and floodplain property acquisitions recommended through the analyses of repetitive loss areas, basin-specific alternative analyses, and countywide risk assessment. Supports recommendation ERA-1.	Property Protection	\$20,000,000
<b>Total Enhanced Funding</b>			<b>\$23,275,000</b>
<b>Total Countywide Projects</b>			<b>\$25,975,000</b>

**TABLE F-3.  
PROPOSED ACTIONS AND COST ESTIMATES FOR THE SOUTH FORK SKYKOMISH RIVER IN  
KING COUNTY (2007-2016)**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Status Quo Funding</b>			
Miller River Road Protection	Enhance constructed log jam to reduce erosion risks to the Old Cascade Highway.	Structural	\$96,000
Timber Lane Village Home Buyouts (Erosion)	Purchase homes and property in this residential neighborhood, which is subject to extreme erosion.	Property Protection	\$3,367,000
South Fork Skykomish River Channel Migration Zone	South Fork Skykomish River Channel Migration Zone Study and Mapping. Supports recommendation CMZ-1.	Preventative	\$30,000
<b>Total Status Quo Funding</b>			<b>\$3,493,000</b>
<b>Enhanced Funding</b>			
South Fork Skykomish River Early Action Residential Flood Hazard Mitigation.	Purchase or otherwise mitigate flood risks to repetitive loss properties. Supports recommendations ERA-1 and ERA-4.	Property Protection	\$1,059,000
Miller River Home Buyout	Purchase residential compound threatened by flooding and erosion.	Property Protection	\$683,000
Town of Skykomish Home Buyouts	Purchase homes and property in this residential neighborhood, which is subject to flood-borne debris.	Property Protection	\$1,952,000
Timber Lane Village Home Buyouts (Flooding)	Purchase homes and property in this residential neighborhood, which is subject to extreme flooding.	Property Protection	\$800,000
<b>Total Enhanced Funding</b>			<b>\$4,494,000</b>
<b>Total South Fork Skykomish River</b>			<b>\$7,987,000</b>

**TABLE F-4.**  
**PROPOSED ACTIONS AND COST ESTIMATES FOR THE UPPER SNOQUALMIE RIVER**  
**(2007-2016)**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Status Quo Funding</b>			
South Fork Levee System Improvements	Initiate rehabilitation of the levee system on the South Fork Snoqualmie River.	Structural	\$5,039,000
North Bend Area Residential Flood Mitigation	Reduce flood risks to homes in the North Bend area. Initially focus on five unmitigated repetitive loss properties and surrounding areas.	Property Protection	\$4,827,000
<b>Total Status Quo Funding</b>			<b>\$9,866,000</b>
<b>Enhanced Funding</b>			
Middle Fork Levee System Capacity Improvements	Reduce flood risks associated with constrictions caused by segments of the incomplete levee system on the Middle Fork Snoqualmie River.	Structural	\$2,831,000
<b>Total Enhanced Funding</b>			<b>\$2,831,000</b>
<b>Total Upper Snoqualmie River</b>			<b>\$12,697,000</b>

**TABLE F-5.**  
**PROPOSED ACTIONS AND COST ESTIMATES FOR THE LOWER SNOQUALMIE RIVER**  
**(2007-2016)**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Status Quo Funding</b>			
Aldair Buyout	Purchase homes and property at risk from failure of the Aldair levee.	Property Protection	\$2,299,000
Lower Snoqualmie River Early Action Residential Flood Hazard Mitigation	Elevate structures or otherwise mitigate flood risks to ten repetitive loss properties. Supports recommendations ERA-1 through 4.	Property Protection	\$660,000
<b>Total Status Quo Funding</b>			<b>\$2,959,000</b>
<b>Enhanced Funding</b>			
Tolt Pipeline Protection	Construct wood piling and log revetment to halt erosion that threatens the Tolt water supply pipeline.	Structural	\$2,367,000
SE 19th Way Buyout	Purchase farm which is at risk of being isolated by bank erosion.	Property Protection	\$1,772,000
Neal Road Relocation	Realign road currently closed due to bank failure.	Emergency Services/Structural	\$1,450,000
<b>Total Enhanced Funding</b>			<b>\$5,589,000</b>
<b>Total Lower Snoqualmie River</b>			<b>\$8,548,000</b>

**TABLE F-6.**  
**PROPOSED ACTIONS AND COST ESTIMATES FOR THE TOLT RIVER (2007– 2016)**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Status Quo Funding</b>			
Tolt River Mouth to State Route 203 Floodplain Reconnection Technical Support	Continue providing technical support for flood and channel dynamics aspects of the Tolt River Levee Setback project.	Technical Assistance	\$105,000
Tolt River Road Shoulder Protection	Protect road from channel migration.	Emergency Services	\$385,000
San Souci Neighborhood Buyout	Purchase homes in high flood and erosion hazard area.	Property Protection	\$2,003,000
<b>Total Status Quo Funding</b>			<b>\$2,493,000</b>
<b>Enhanced Funding</b>			
Tolt River Flood Early Action Residential Flood Hazard Mitigation	Elevate structures on two repetitive loss properties. Supports recommendations ERA-1 through 4.	Property Protection	\$132,000
Tolt River State Route 203 to Trail Bridge Floodplain Reconnection	Set back levee to improve conveyance and allow habitat enhancement.	Structural/ Natural Resource Protection	\$4,585,000
Tolt River Mile 1.1 Levee Setback	Set back levee to improve conveyance and allow habitat enhancement. Include purchase and removal of homes.	Structural/ Property Protection/ Natural Resource Protection	\$5,677,000
<b>Total Enhanced Funding</b>			<b>\$10,394,000</b>
<b>Total Tolt River</b>			<b>\$12,887,000</b>



**TABLE F-7.**  
**PROPOSED ACTIONS AND COST ESTIMATES FOR THE RAGING RIVER (2007–2016)**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Status Quo Funding</b>			
Fall City Levee Setback Feasibility Study	Determine best alternative for homes in areas subject to flood hazards areas.	Preventative	\$50,000
<b>Total Status Quo Funding</b>			<b>\$50,000</b>
<b>Enhanced Funding</b>			
Alpine Manor Mobile Home Park Neighborhood Buyout	Purchase and remove homes from high flood and erosion hazard area and allow habitat enhancement.	Property Protection/ Natural Resource Protection	\$5,596,000
<b>Total Enhanced Funding</b>			<b>\$5,596,000</b>
<b>Total Raging River</b>			<b>\$5,646,000</b>

**TABLE F-8.**  
**PROPOSED ACTIONS AND COST ESTIMATES FOR THE SAMMAMISH RIVER (2007–2016)**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Status Quo Funding</b>			
Willowmoor Floodplain Restoration	Reconfigure outflow from Lake Sammamish to maintain or reduced current level of flood risk along the lake in a manner that reduces impacts on fish and wildlife in the transition zone between the lake and the Sammamish River. Project is required mitigation for current maintenance practices required by the U.S. Army Corps of Engineers.	Structural/ Natural Resource Protection	\$2,944,000
<b>Total Status Quo Funding</b>			<b>\$2,944,000</b>
<b>Enhanced Funding</b>			
Sammamish River (Issaquah Creek) Early Residential Flood Hazard Mitigation	Mitigate two repetitive loss properties on Issaquah Creek. Investigate other potential at-risk homes in repetitive loss areas. Supports recommendations ERA-1 through 4.	Property Protection	\$132,000
Sammamish River Flood Study	Prepare flood study and corresponding FEMA Flood Insurance Studies and Flood Insurance Rate Maps for the Sammamish River. Supports recommendation MAP-1.	Preventative	\$225,000
<b>Total Enhanced Funding</b>			<b>\$357,000</b>
<b>Total Sammamish Basin</b>			<b>\$3,301,000</b>

**TABLE F-9.**  
**PROPOSED ACTIONS AND COST ESTIMATES FOR THE CEDAR RIVER (2007 – 2016)**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Status Quo Funding</b>			
Cedar River Channel Migration Zone Study and Mapping.	Prepare channel migration zone study and maps for the Cedar River. Supports recommendation CMZ-1.	Preventative	\$30,000
Cedar Rapids Levee Setback	Set back levee to improve flood conveyance and restore habitat. Complete project design, permits, and construction. Funding will cover project management and non reimbursable grant expenses associated with this grant funded project. Total project cost is estimated at \$1,500,000.	Structural/ Natural Resource Protection	\$137,000
Jan Road-Rutledge Johnson Levee Setbacks	Remove portions of both levees that protect only open space. Segments of existing levees constrict conveyance and direct erosive flood flows into the Cedar River Trail and State Route 169.	Natural Resource Protection	\$955,000
Cedar River Residential Flood Hazard Mitigation Analysis	Determine best alternative(s) for reducing risks to homes in areas subject to flood hazards including both repetitive loss and proposed project areas. Emphasis will be on residential neighborhoods with extensive flood hazard areas. Supports recommendations ERA-1 through 4.	Preventative	\$175,000
<b>Total Status Quo Funding</b>			<b>\$1,297,000</b>

**TABLE F-9. (CONTINUED)**  
**PROPOSED ACTIONS AND COST ESTIMATES FOR THE CEDAR RIVER (2007 – 2016)**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Enhanced Funding</b>			
Cedar River Early Action Residential Flood Hazard Mitigation	Purchase or otherwise mitigate flood risks to nine repetitive loss properties not addressed by other projects in this basin. Supports recommendations ERA-1 and 4.	Property Protection	\$2,811,000
Cedar River Gravel Removal Project	Support periodic gravel removal from the lower Cedar River to maintain 100-year flood protection.	Structural	\$4,827,000
Lower Jones Road Setback Project	Purchase the homes and property, and set back road and associated revetment.	Property Protection	\$4,408,000
Herzman Levee Setback & Floodplain Reconnection	Set back levee to reduce erosive forces on the Cedar River Trail and State Route 169.	Structural	\$1,023,000
Cedar Grove Mobile Home Park Acquisition Project	Purchase mobile home park and provide relocation assistance to the residents in this area of major flood hazards.	Property Protection	\$4,349,000
Rainbow Bend Levee Setback and Floodplain Reconnection	Set back or remove levee to improve flood conveyance and storage through this reach and to restore floodplain functions.	Property Protection	\$1,733,000
Getchman Levee Setback and Floodplain Reconnection	Set back the levee to improve river's flood conveyance, flood storage, and its interaction with lower Taylor Creek, while maintaining protection for Maxwell Road. Most of the acquisitions for this project are already completed or are underway.	Structural	\$2,670,000
Rhode Levee Setback and Home Buyouts	Purchase homes along path of fastest, deepest flood flow, and set back the levee to lower localized velocities and depths.	Property Protection	\$3,518,000
<b>Total Enhanced Funding</b>			<b>\$25,339,000</b>
<b>Total Cedar River</b>			<b>\$26,636,000</b>

**TABLE F-10**  
**PROPOSED ACTIONS AND COST ESTIMATES FOR THE GREEN RIVER (2007–2016)**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Status Quo Funding</b>			
Pump Station Operation	Maintain and operate Black River, P-17 and Segale/Southcenter pump stations in the Green River Flood Control Zone District. Supports recommendation IMP-1.	Structural	\$2,100,000
Green River Flood Study	Complete flood study and corresponding FEMA Flood Insurance Studies and Flood Insurance Rate Maps for the Green River between River Mile 5.0 and River Mile 45.0. Supports recommendation MAP-1.	Preventative	\$1,000,000
Desimone Levee Project 3	Rehabilitate levees to reduce the risk of flooding in the lower Green River.	Structural	\$650,000
Segale Levee Project 1	Rehabilitate levees to reduce the risk of flooding in the lower Green River.	Structural	\$1,913,000
Briscoe Levee Project 4	Rehabilitate levees to reduce the risk of flooding in the lower Green River.	Structural	\$1,135,000
Nursing Home Levee Project	Rehabilitate levees to reduce the risk of flooding in the lower Green River	Structural	\$2,438,000
Salmon Habitat Recovery Cost Share	Provide financial support to, and participate in, Salmon Recovery Funding Board and U. S. Army Corps of Engineers Ecosystem Recovery Project habitat projects. Supports recommendation TECH-6.	Natural Resource Protection	\$1,000,000
Green River Flood Control Zone District Program Management	Provide program management and administration to Green River Flood Control Zone District projects, programs and other related activities. Supports recommendation IMP-10.	Technical Assistance	\$1,000,000
<b>Total Status Quo Funding</b>			<b>\$11,236,000</b>

**TABLE F-10 (continued)**  
**PROPOSED ACTIONS AND COST ESTIMATES FOR THE GREEN RIVER (2007–2016)**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Enhanced Funding</b>			
Desimone Levee Project 1	Rehabilitate levees to reduce the risk of flooding in the lower Green River.	Structural	\$860,000
Desimone Levee Project 2	Rehabilitate levees to reduce the risk of flooding in the lower Green River.	Structural	\$1,071,000
Desimone Levee Project 4	Rehabilitate levees to reduce the risk of flooding in the lower Green River.	Structural	\$3,491,000
Segale Levee Project 2	Rehabilitate levees to reduce the risk of flooding in the lower Green River.	Structural	\$1,913,000
Brisco Levee Projects 1-3, 5-8	Rehabilitate levees to reduce the risk of flooding in the lower Green River.	Structural	\$14,970,000
Russell Upper Levee Project	Rehabilitate levees to reduce the risk of flooding in the lower Green River.	Structural	\$472,000
Kent Shops Levee Project	Rehabilitate levees to reduce the risk of flooding in the lower Green River.	Structural	\$3,596,000
Narita Levee Project	Rehabilitate levees to reduce the risk of flooding in the lower Green River.	Structural	\$1,913,000
Myer's Golf Levee Project	Rehabilitate levees to reduce the risk of flooding in the lower Green River.	Structural	\$4,967,000
Middle Green Floodplain Acquisition	Purchase one home and associated property subject to severe flood related hazards.	Property Protection	\$1,204,000
<b>Total Enhanced Funding</b>			<b>\$34,457,000</b>
<b>Total Green River</b>			<b>\$45,693,000</b>

**TABLE F-11  
PROPOSED ACTIONS AND COST ESTIMATES FOR THE WHITE AND GREENWATER RIVERS  
(2007–2016)**

Proposed Action	Description	Type of Action	Estimated 10-Year Cost
<b>Status Quo Funding</b>			
White River Channel Migration Zone Study and Mapping	Prepare channel migration zone study and maps for the White River. Supports recommendation CMZ-1.	Preventative	\$30,000
White River Flood Study	Prepare flood study and corresponding FEMA Flood Insurance Studies and Flood Insurance Rate Maps for the White River. Supports recommendation MAP-1.	Preventative	\$400,000
Greenwater River Flood Study	Prepare flood study and corresponding FEMA Flood Insurance Studies and Flood Insurance Rate Maps for the Greenwater River. Supports recommendation MAP-1.	Preventative	\$40,000
County Line to A-Street Flood Conveyance Improvement	Reduce flood-related risk to residential area by purchasing flood-prone property and providing conveyance through an existing levee into adjacent floodplain and wetlands.	Property Protection/ Structural	\$1,193,000
Pacific City Park Revetment Repair	Repair damaged concrete revetment.	Structural	\$183,000
41st Street Setback Feasibility Analysis	Conduct levee set back feasibility study to protect homes and school.	Preventative	\$25,000
Red Creek Acquisitions	Remove homes subject to flooding and erosion hazards.	Property Protection	\$735,000
<b>Total Status Quo Funding</b>			<b>\$2,606,000</b>
<b>Enhanced Funding</b>			
3rd Place and Pacific City Park Revetment Retrofit	Rehabilitate failing concrete slab revetment by replacing with bioengineered flood protection facility.	Structural	\$6,447,000
TransCanada Flood Conveyance Improvement	Implement levee modification project.	Preventative	\$1,421,000
White-Greenwater Acquisition	Purchase and remove residential structures subject to flood and erosion hazards.	Property Protection	\$785,000
<b>Total Enhanced Funding</b>			<b>\$8,653,000</b>
<b>Total White and Greenwater Rivers</b>			<b>\$11,259,000</b>

**TABLE F-12.**  
**ACTION PLAN FLOOD MITIGATION CATEGORIES AND DEFINITIONS**

Category	Definition	Impact	Examples
<b>Preventive</b>	Activities that keep problems from getting worse and helps the County identify risk and vulnerability.	Increases capability and decreases vulnerability and exposure.	<ul style="list-style-type: none"> <li>• Planning</li> <li>• Land Use</li> <li>• Regulations</li> <li>• Mapping</li> </ul>
<b>Property Protection</b>	Actions that can singularly protect property on a building –by-building or parcel basis. Actions can be implemented at a private and/or public level	Decreases vulnerability and exposure.	Property: <ul style="list-style-type: none"> <li>• Acquisition</li> <li>• Relocation</li> <li>• Retrofitting</li> </ul>
<b>Natural Resource Protection</b>	Activities that preserve or restore natural areas or enhance the environments ability to attenuate the impacts of natural hazards.	Reduces exposure	<ul style="list-style-type: none"> <li>• Wetlands protection</li> <li>• Erosion and sedimentation control/management</li> <li>• BMP's</li> <li>• Normative Flow practices</li> </ul>
<b>Emergency Services</b>	Measures taken during an emergency to minimize the impact of the event. Also included preparedness and recovery actions.	Increases capability	<ul style="list-style-type: none"> <li>• Hazard Warning</li> <li>• Hazard Response</li> <li>• Critical Facilities protection</li> <li>• Health and Safety Maintenance</li> </ul>
<b>Structural Solutions</b>	Actions taken to prevent the hazard for impacting a populace. Involves controlling the hazard.	Manipulates the hazard	<ul style="list-style-type: none"> <li>• Levees</li> <li>• Floodwalls</li> <li>• Diversions</li> <li>• Channel Modifications</li> </ul>
<b>Public Information</b>	Activities implemented to inform the public about the preparedness for and the mitigation of the impacts of natural hazards.	Increases capability	<ul style="list-style-type: none"> <li>• Websites</li> <li>• Publications</li> <li>• Media release</li> <li>• Public Awareness</li> <li>• Time frame</li> <li>• Public meetings</li> </ul>
<b>Technical Assistance</b>	Actions that support objectives of the plan by providing assistance to other stakeholders that can implement actions that will enhance the objectives of the plan	Increases capability by leveraging resources	<ul style="list-style-type: none"> <li>• Promotes consistency</li> <li>• Enhances Coordination</li> </ul>
<b>Plan Performance</b>	Actions that enhance the implementation of the actions identified in the plan	Increased capability	<ul style="list-style-type: none"> <li>• Funding alternatives</li> <li>• Coordination</li> <li>• Oversight</li> <li>• Performance</li> </ul>

